

CLAIMS:

1. A composition comprising a silicone having a perfume component dissolved or dispersed therein and a deposition aid.

5

2. A composition according to claim 1, wherein the silicone has a viscosity of from 20 mPas to 300,000 mPas.

10

3. A composition according to claim 1, wherein the ratio of total dissolved and/or dispersed perfume component to silicone is from 1:10,000 to 1:5, preferably from 1:1,000 to 1:10.

15

4. A composition according to claim 1, comprising a perfume which comprises the perfume component, and a vehicle or carrier therefor, at least part of the vehicle or carrier also being dissolved or dispersed in the silicone, the weight ratio of all dispersed and dissolved parts of perfume to the silicone being from 1:1,000 to 2:1, preferably from 1:100 to 1:5, more preferably from 1:50 to 1:10.

20

5. A composition according to claim 1, wherein the silicone is selected from polydialkyl siloxanes, amine derivatives thereof, and mixtures thereof.

25

6. A composition according to any claim 1, wherein the deposition aid comprises a polymeric material comprising one or more moieties for enhancing affinity for a fabric, especially cotton or a cotton-containing fabric and one or more silicone moieties.

30

7. A composition according to claim 1, wherein the silicone with dissolved or dispersed perfume component and the deposition aid is in the form of an emulsion.

35

8. An emulsion according to claim 7, further comprising an emulsifying agent.

36

9. An emulsion according to claim 8, wherein the emulsifying agent comprises a nonionic surfactant.

10. An emulsion according to claim 7, wherein the total amount of silicone with dissolved or dispersed perfume component is from 50 to 95%, preferably from 60 to 90%, more preferably from 70 to 85% by weight of the silicone with dissolved or dispersed perfume component plus deposition aid plus any emulsifying agent.

5

11. An emulsion according to claim 7, wherein the emulsion comprises from 30% to 99.9%, preferably 40 to 99% of another liquid component, preferably a polar solvent, most preferably water.

10 12. A composition according to claim 7, wherein the weight ratio of silicone with dissolved or dispersed perfume component to emulsifying agent is from 100:1 to 2:1, preferably from 100:3 to 5:1, more preferably from 15:1 to 7:1.

15

13. A composition according to claim 1, wherein the weight ratio of silicone with dissolved or dispersed perfume component to the deposition aid is from 1:1 to 100:1, preferably from 5:1 to 20:1.

20

14. A composition according to claim 1, wherein the deposition aid comprises a substituted polysaccharide comprising β_{1-4} linkages having covalently bonded on the polysaccharide moiety thereof, at least one deposition enhancing group which undergoes a chemical change in water at a use temperature to increase the affinity of the substituted polysaccharide to a substrate, the substituted polysaccharide further comprising one or more independently selected silicone chains.

25

15. A composition as claimed in claim 14, wherein the substituted polysaccharide comprises only β_{1-4} linkages.

30

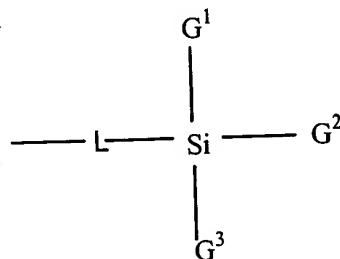
16. A composition according to claim 14, wherein the substituted polysaccharide comprises additional linkages.

17. A composition according to claim 16, wherein the substituted polysaccharide comprises β_{1-4} and β_{1-3} linkages.

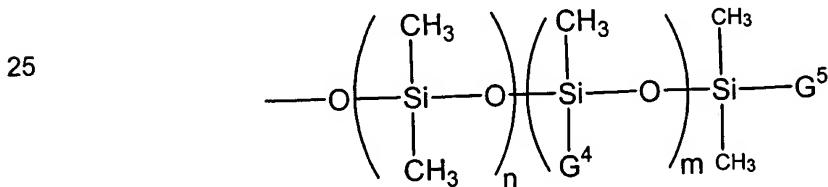
18. A composition according to claim 17, wherein the weight ratio of β_{1-3} to β_{1-4} linkages is from 1:100 to 1:2.

19. A composition according to claim 14, wherein the average degree of substitution of the silicone chain(s) on the substituted polysaccharide is from 0.001 to 0.5, 5 preferably 0.01 to 0.5, more preferably from 0.01 to 0.1, even more preferably from 0.01 to 0.05.

20. A composition according to claim 14, wherein the silicone chain(s) in the 10 substituted polysaccharide is or are independently selected from those of formula:



20
wherein L is absent or is a linking group and one or two of substituents G¹-G³ is a methyl group, the remainder being selected from groups of formula



30 the -Si(CH₃)₂O- groups and the -Si(CH₃O)(G⁴)- groups being arranged in random or block fashion, but preferably random.

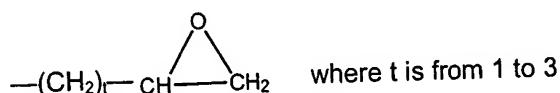
wherein n is from 5 to 1000, preferably from 10 to 200 and m is from 0 to 100, preferably from 0 to 20, for example from 1 to 20.

G^4 is selected from groups of formula:

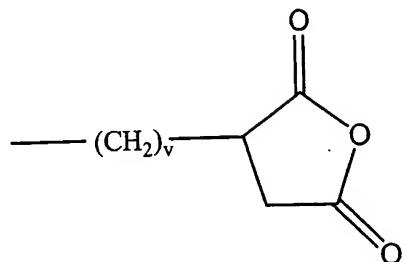
$-(CH_2)_p-CH_3$, where p is from 1 to 18

$-(CH_2)_q-NH-(CH_2)_r-NH_2$ where q and r are independently from 1 to 3

5 $-(CH_2)_s-NH_2$, where s is from 1 to 3



15 $-(CH_2)_u-COOH$, where u is from 1 to 10,



20

where v is from 1 to 10, and

$-(CH_2-CH_2O)_w-(CH_2)_xH$, where w is from 1 to 150, preferably from 10 to 20 and x is from 0 to 10;

25

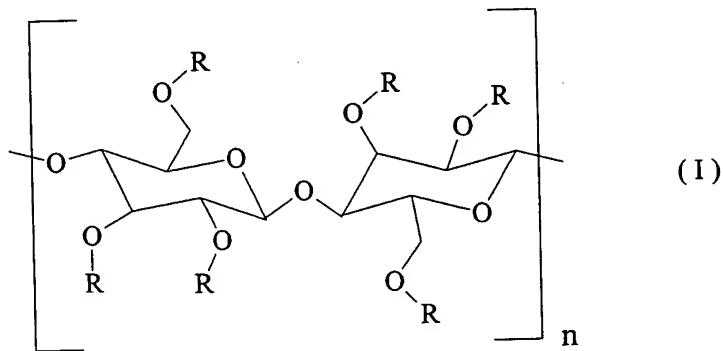
and G^5 is independently selected from hydrogen, groups defined above for G^4 , $-OH$, $-CH_3$ and $-C(CH_3)_3$.

30 21. A composition according to claim 20, where L is selected from amide linkages, ester linkages, ether linkages, urethane linkages, triazine linkages, carbonate linkages, amine linkages and ester-alkylene linkages.

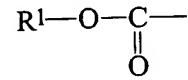
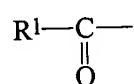
22. A composition according to claim 14, wherein the chemical change of the relevant group in the substituted polysaccharide is hydrolysis, perhydrolysis or bond-cleavage, optionally catalysed by an enzyme or another catalyst.

5 23. A composition according to claim 14, wherein the group(s) in the substituted polysaccharide which undergo the chemical change comprise one or more groups attached via an ester linkage to the polysaccharide.

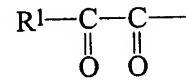
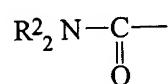
10 24. A composition according to claim 14, wherein the substituted polysaccharide has the general formula (I):-

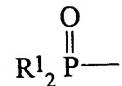
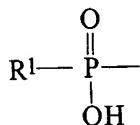
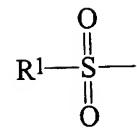
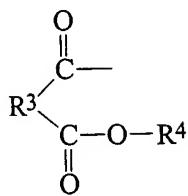


(optional $\beta_{1,3}$ and/or other linkages and/or other groups being permitted in the formula (I)) wherein at least one or more -OR groups of the polymer are independently substituted or replaced by silicone chains and at least one or more R groups are independently selected from groups of formulae:-



20





5 wherein each R^1 is independently selected from C_{1-20} (preferably C_{1-6}) alkyl, C_{2-20} (preferably C_{2-6}) alkenyl (e.g. vinyl) and C_{5-7} aryl (e.g. phenyl) any of which is optionally substituted by one or more substituents independently selected from C_{1-4} alkyl, C_{1-12} (preferably C_{1-4}) alkoxy, hydroxyl, vinyl and phenyl groups;

10 each R^2 is independently selected from hydrogen and groups R^1 as hereinbefore defined;

15 R^3 is a bond or is selected from C_{1-4} alkylene, C_{2-4} alkenylene and C_{5-7} arylene (e.g. phenylene) groups, the carbon atoms in any of these being optionally substituted by one or more substituents independently selected from C_{1-12} (preferably C_{1-4}) alkoxy, vinyl, hydroxyl, halo and amine groups;

20 each R^4 is independently selected from hydrogen, counter cations such as alkali metal (preferably Na) or $\frac{1}{2}$ Ca or $\frac{1}{2}$ Mg, and groups R^1 as hereinbefore defined; and

25 groups R which together with the oxygen atom forming the linkage to the respective saccharide ring forms an ester or hemi-ester group of a tricarboxylic- or higher polycarboxylic- or other complex acid such as citric acid, an amino acid, a synthetic amino acid analogue or a protein;

any remaining R groups being selected from hydrogen and other substituents.

25. A composition according to claim 23, wherein the ester-linked group(s) is/are selected from carboxylic acid esters.
26. A composition according to claim 23, wherein the ester-linked group(s) is/are independently selected from one or more of acetate, propanoate, trifluoroacetate, 2-(2-hydroxy-1-oxopropoxy) propanoate, lactate, glycolate, pyruvate, crotonate, isovalerate, cinnamate, formate, salicylate, carbamate, methylcarbamate, benzoate, gluconate, methanesulphonate, toluene sulphonate, groups and hemiester groups of fumaric, malonic, itaconic, oxalic, maleic, succinic, tartaric, aspartic, glutamic, and malic acids.
27. A composition according to claim 14, wherein the average degree of substitution on the saccharide rings of the polysaccharide, of the groups which undergo the chemical change is from 0.1 to 3, preferably from 0.1 to 1.
28. A composition according to claim 14, wherein the substituted polysaccharide further comprises one or more other pendant groups which are neither silicone chains nor groups which undergo a chemical change to enhance substrate affinity.
29. A composition according to claim 28, wherein the average degree of substitution of other pendant groups is from 0.001 to 0.5, preferably from 0.001 to 0.05.
30. A composition according to claim 14, wherein the total amount of the substituted polysaccharide is from 0.001% to 10%, preferably from 0.005% to 5%, more preferably from 0.01% to 3% by weight of the total composition.
31. A laundry treatment composition comprising a composition as claimed in claim 1 and at least one further component.
32. A laundry treatment composition as claimed in claim 31, wherein the further component comprises a surfactant.

33. A laundry treatment composition as claimed in claim 31, wherein the total amount of silicone with dissolved or dispersed perfume component is from 0.0001% to 25%, preferably from 0.0001% to 5% by weight of the total composition.

5 34. A laundry treatment composition as claimed in claim 31, wherein at least the silicone with dissolved or dispersed perfume component and the deposition aid are in the form of an emulsion and the emulsion is in an amount of from 0.0001 to 40%, more preferably from 0.001 to 30%, even more preferably from 0.1 to 20%, especially from 1 to 15% and for example from 5 to 10% by weight of the total 10 composition.

35. Use of a composition as claimed in claim 1 to enhance the softening benefit of a laundry treatment composition on a substrate.